

OZONE IRRIGATOR

Abstract

This portable appliance can be used to clean teeth by liquid (water or solution) containing dissolved ozone, which is a potent oxidizer and germ killer. Preferably, its cleaning action is enhanced by pulsations of the liquid stream. The dissolved ozone can reduce or eliminate gingivitis, gum bleeding, bad breath, teeth stains, and harmful oral bacteria. This appliance can also be used for nasal irrigation for sinusitis treatment and for ear irrigation, eye care, and general cleaning. Additionally, since its output pump is independent of the ozone dissolving system, the ozone dissolving system can be configured as an add on device for an oral irrigator such as a Water Pik™ manufactured by WaterPik Technologies, Inc. In this configuration, the ozonated liquid is delivered by either gravity or pumped flow, to the original reservoir connection with the irrigator serving as the delivery portion of this invention.

1042473-010902